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7 August 1959

MEMORANDUM FOR: ELINT Staff Officer

SUBJECT : System VII's Role for Intercepting Signals in the
100 to 320 MC Band

1. Time and Place: 6 August 1959, Barton Hall.
2. Attendees:

25X1

3. Purpose: The main purpose of the meeting was to discuss the value of the high data rate eight channel telemetry that a modified System VII would be capable of intercepting.

4. Report:

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4.2 In addition to the above, the following conclusions were reached:

4.2.1 There likely will be no loss in going from six channels to four channels in the 50 to 100 mc band since on the average there have been only three RF channels intercepted. This still allows one extra channel to be present in this band. In addition, the planned flexibility of the system would permit the following combinations; e.g., six (6) receivers covering 50-100 mc; four (4) receivers covering 50-100, one (1) between 90-180 mc, and one (1) between 160 and 320 mc; four

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receivers between 50-100 mc; and two (2) between either 90-180 or 180 to 320 mc; or any other two, two, two or three, two, one, etc. combination for a total number of six receivers covering this 50-320 mc band.

4.2.2 Increasing System VII to 320 mc gives it the possibility of collecting other associated missile or launch type signals.

4.2.4 The modifications to System VII will give it greater flexibility in case of frequency changes upward.

4.3 The writer discussed the above items with [redacted] CH. GEMB-6-3, NSA, and received his concurrence that the modification to System VII was highly desired.

5. Conclusion: The outcome of this meeting was that the earlier decision to recommend an immediate increase in frequency coverage of System VII is still justified and, therefore, it is recommended that this be accomplished.

[redacted]
ELINT Staff

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